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## Amendments to the Claims

1. (Currently Amended) A method of transporting bifurcated voice and signaling data over a network, comprising the steps of:

identifying, for each communication link to be established respective signaling data and voice data; and

transmitting said signaling data via a first medium network and said voice data via a second medium network, wherein the first network is different from the second network.

- 2. (Currently Amended) The method of claim 1, wherein said first medium network is a wireless network.
- (Currently Amended) The method of claim 1, wherein said second medium network is a data packet network medium.
- 4. (Original) The method of claim 1, further comprising the steps of: communicating said signaling data to a switch.
- (Original) The method of claim 1, further comprising:
   communicating said voice data to a switch.
- 6. (Original) The method of claim 3, wherein said voice data is subject to compression processing compatible with a wireless network.
- 7. (Original) The method of claim 5, wherein said step of communicating is made via a base station system.
- 8. (Original) The method of claim 5, wherein said step of communicating is made via a packet/circuit switch.

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- (Original) The method of claim 1, wherein said steps of identifying and 9. transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.
- (Original) The method of claim 1, wherein said steps of identifying and 10. transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.
- (Currently Amended) In a communication system for transporting bifurcated voice 11. and signaling traffic over a network, a method comprising the steps of:

segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and a called party; and

transmitting said voice traffic via said communications link established by a controller, said voice traffic and said signaling traffic being carried via different communication channels networks.

- (Currently Amended) The method of claim 11, wherein one of said 12. communication channels networks is a data packet network.
- (Original) The method of claim 12, wherein said voice traffic is carried by said 13. data packet network.
- (Original) The method of claim 13, wherein said voice traffic is subject to 14. compression processing compatible with a wireless network.
- (Currently Amended) The method of claim 11, wherein one of said second 15. communication channels networks is a wireless network



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- 16. (Original) The method of claim 15 wherein said signaling traffic is carried by said wireless network.
- 17. (Original) The method of claim 11, wherein said controller is a switch.
- 18. (Original) The method of claim 11, wherein said signaling traffic is transmitted to said controller via a base station system.
- 19. (Original) The method of claim 11, wherein said voice traffic is communicated to said controller via a packet/circuit switch.
- 20. (Original) The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.
- 21. (Original) The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.
- 22. (Currently Amended) The method of claim 11 further comprising the step of: switching the voice traffic to the same communication channel network as the signaling traffic when loss of local power is detected.
- 23. (Currently Amended) In a communication system for transporting bifurcated voice and signaling traffic between a calling party and called party, a method comprising the steps of:

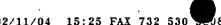
identifying a call request; establishing a signaling link to a switch via a first transport medium network and



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establishing a voice path to said switch via a second transport <u>medium network</u> responsive to a determination that said called party answers, <u>said first transport network</u> <u>being different from said second transport network</u>.

- 24. (Currently Amended) The method of claim 23, wherein said first medium network is a wireless network.
- 25. (Currently Amended) The method of claim 24, wherein signaling data traffic is transmitted over said wireless network.
- 26. (Currently Amended) he method of claim 23, wherein said second medium network is a data packet network.
- 27. (Currently Amended) The method of claim 26, wherein voice data traffic is communicated over said data packet network.
- 28. (Currently Amended) The method of claim 27, wherein said voice date traffic is subject to compression processing compatible with a wireless network.
- 29. (Currently Amended) The method of claim 23 further comprising the step of:
  switching the voice data traffic to the same medium network as the signaling data traffic when loss of local power is detected.
- 30. (Original) The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.
- 31. (Original) The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.



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- (Original) A communications system comprising: 32. a device for providing bifurcated voice and signaling traffic over a network; and a packet/circuit switch for converting data packets to circuit switched traffic.
- (Original) The communications system of claim 32, wherein said device is a 33. Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.
- (Original) The communications system of claim 32, wherein said device is a 34. Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.
- (Currently Amended) A computer readable medium storing a software program, 35. that when executed by a computer, causes the computer to perform a method comprising:

segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and called party; and

transmitting said voice traffic via said communications link established by a controller, said voice traffic and said signaling traffic being carried via different communication channels networks.

- (Original) The computer readable medium of claim 35, wherein said controller is 36. a switch.
- 37. (Original) The computer readable medium of claim 35, wherein said signaling traffic is communicated via a wireless network.
- (Original) The computer readable medium of claim 35, wherein said 38.

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voice traffic is communicated via a data packet network.

(Original) The computer readable medium of claim 38, wherein said voice traffic 39. is subject to compression processing compatible with a wireless network.